

11/12/99
PTO-1082

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Petros A. IOANNOU, Elias B. KOSMATOPOULOS and
Alvin M. DESPAIN

Serial No: Not yet assigned

Filed: November 12, 1999

For: **USE OF ABSOLUTE VALUE SIGNALS FOR
SERVO CONTROL AND SIGNAL ESTIMATION**

Box PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C. 20231

1C675 U.S. PTO
09/139055
11/12/99

Dear Sir:

Transmitted herewith for filing is the patent application identified above.

- 19 sheet(s) of drawings (formal informal) is(are) enclosed.
- 65 pages of specification and 1 page of abstract of the invention are enclosed.
- An assignment of the invention to is enclosed will follow.
- An associate power of attorney is enclosed will follow.
- A verified statement to establish small entity status under 37 C.F.R. §§ 1.9 & 1.27 is enclosed.
- Declaration and Power of Attorney is enclosed will follow.
- A certified copy of Patent Application No. filed from which priority is claimed under 35 U.S.C. § 119 is enclosed.
- IDS enclosed (with references).
- Preliminary Amendment is enclosed.

| CALCULATION OF FEES | | | | | | | |
|---------------------|--|---------------------|-----|-------------------------|---------------------|--|--------|
| ITEM | | TOTAL NO. OF CLAIMS | | NO. OF CLAIMS OVER BASE | LG/SM \$ ENTITY FEE | \$ AMOUNT | \$ FEE |
| A | TOTAL CLAIMS FEE | 24 | -20 | 4 | LG=\$18 SM=\$9 | \$72 | |
| B | INDEPENDENT CLAIMS FEE* | 5 | -3 | 2 | LG=\$78 SM=\$39 | \$156 | |
| C | SUBTOTAL - ADDITIONAL CLAIMS FEE (ADD FINAL COLUMN IN LINES A + B) | | | | | \$ 228 | |
| D | MULTIPLE-DEPENDENT CLAIMS FEE | | | | | LARGE ENTITY FEE = \$280 SMALL ENTITY FEE = \$130 | \$ |
| E | BASIC FEE | | | | | LARGE ENTITY FEE = \$780 SMALL ENTITY FEE = \$380 | \$ 760 |
| F | TOTAL FILING FEE (ADD TOTALS FOR LINES C, D, AND E) | | | | | | \$ 988 |
| G | ASSIGNMENT RECORDING FEE | | | | | \$ 40 | \$ |

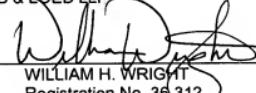
*LIST INDEPENDENT CLAIMS 1, 5, 9, 13 and 18

- A check in the amount of \$ 988 to cover the filing fee is enclosed.
- A check in the amount of \$ 40 to cover Assignment Recordation fee is enclosed.

- The Commissioner is hereby authorized to charge any deficiency for the following fees associated with this communication or credit any overpayment to Deposit Account No. 12-1820. A copy of this sheet is enclosed.
- Any additional filing fees required under 37 C.F.R. § 1.16
- Any patent application processing fees under 37 C.F.R. § 1.17

Respectfully submitted,
LOEB & LOEB LLP

By:


WILLIAM H. WRIGHT
Registration No. 36,312
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Date: 12 November, 1999

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Art Unit: Not yet assigned

Examiner: Not yet assigned

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Date of Deposit: November 12, 1999

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Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

I hereby certify that

- two copies of a letter of transmittal
- check in amount of \$____ as filing fee
- patent application (65 pages of specification; 24 claims; 1 page of abstract
- 19 sheets of informal drawings
- executed Declaration and Power of Attorney
- assignment of the invention to _____
- Information Disclosure Statement with ____ references
- return postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service with sufficient postage under 37 C.F.R. § 1.10 on the date indicated above and are addressed to:

Box PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C. 20231.

Date: 12 November, 1999

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WILLIAM H. WRIGHT

Name of person mailing papers

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Signature